

| Uncertainty source                 | $p\text{Pb}[\%]$<br>(forward) | $p\text{Pb}[\%]$<br>(backward) | $pp$ [%]  |
|------------------------------------|-------------------------------|--------------------------------|-----------|
| Track-finding efficiency           | 1.5 – 5.0                     | 1.5 – 5.0                      | 1.6 – 5.3 |
| Detector occupancy                 | 0.0 – 2.8                     | 0.6 – 2.9                      | 0.1 – 1.6 |
| Particle composition               | 0.4 – 4.1                     | 0.4 – 4.6                      | 0.3 – 2.4 |
| Selection efficiency               | 0.7 – 2.2                     | 0.7 – 3.0                      | 1.0 – 1.7 |
| Purity                             | 0.1 – 1.8                     | 0.1 – 11.7                     | 0.1 – 5.8 |
| Truth-matching                     | 0.0 – 0.1                     | 0.0 – 0.1                      | 0.1 – 0.2 |
| Luminosity                         | 2.3                           | 2.5                            | 2.0       |
| Statistical uncertainty            | 0.0 – 0.6                     | 0.0 – 1.0                      | 0.0 – 1.1 |
| Total (in $d^2\sigma/d\eta dp_T$ ) | 3.0 – 6.7                     | 3.3 – 14.5                     | 2.8 – 8.7 |
| Total (in $R_{p\text{Pb}}$ )       | 4.2 – 9.2                     | 4.4 – 16.9                     |           |